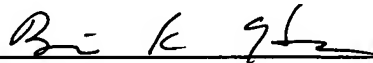


The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

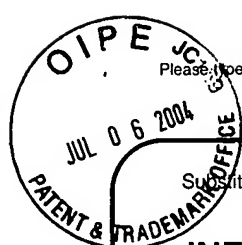
If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.20-0782/6392.C1/BKH.

Respectfully submitted,



Brian K. Hrna
Registration No. 41,852
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)

285133_1



Please place a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 5

Application Number	10/828,441
Filing Date	APRIL 20, 2004
First Named Inventor	XIA, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Submission Date	06/30, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-6,660,663 B1	12/09/2003	Cheung, et al.	
	A2	US-6,660,656 B2	12/09/2003	Cheung, et al.	
	A3	US-6,627,532 B1	09/30/2003	Gaillard, et al.	
	A4	US-6,596,655 B1	07/22/2003	Cheung, et al.	
	A5	US-6,593,247 B1	07/15/2003	Huang, et al.	
	A6	US-6,573,196 B1	06/03/2003	Gaillard, et al.	
	A7	US-6,562,690 B1	05/13/2003	Cheung, et al.	
	A8	US-6,555,476 B1	04/29/2003	Olsen, et al.	
	A9	US-6,541,282 B1	04/01/2003	Cheung, et al.	
	A10	US-6,537,929 B1	03/25/2003	Cheung, et al.	
	A11	US-6,511,909 B1	01/28/2003	Yau, et al.	
	A12	US-6,511,903 B1	01/28/2003	Yau, et al.	
	A13	US-6,500,773 B1	12/31/2002	Gaillard, et al.	
	A14	US-6,465,366 B1	10/15/2002	Nemani, et al.	
	A15	US-6,455,445 B2	09/24/2002	Matsuki, et al.	
	A16	US-6,436,824 B1	08/20/2002	Chooi, et al.	
	A17	US-6,432,846 B1	08/13/2002	Matsuki	
	A18	US-6,413,583 B1	07/02/2002	Moghadam, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP 1 107 303 A2	06/13/2001	SHAO, ET AL.		
	B2	WO 99/41423 A2	08/29/1999	CHEUNG, ET AL.		
	B3	DE 199 04 311 A1	08/12/1999	SHU, ET AL.		
	B4	JP 09-008031 (English Abstract)	01/10/1997	Hasegawa		X
	B5	EP 1 176 226 A1	01/30/2002	Nemani, et al.		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 5

Application Number	10/828,441
Filing Date	APRIL 20, 2004
First Named Inventor	XIA, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Submission Date	06/30, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A19	US-6,410,463 B1	06/25/2002	Matsuki	
	A20	US-6,383,955 B1	05/07/2002	Matsuki, et al.	
	A21	US-6,352,945 B1	03/05/2002	Matsuki, et al.	
	A22	US-6,348,725 B2	02/19/2002	Cheung, et al.	
	A23	US-6,340,435 B1	01/22/2002	Bjorkman, et al.	
	A24	US-6,312,793 B1	11/06/2001	Grill, et al.	
	A25	US-6,303,523 B2	10/16/2001	Cheung, et al.	
	A26	US-6,287,900 B1	09/11/2001	Yamazaki, et al.	
	A27	US-6,242,339 B1	06/05/2001	Aoi	
	A28	US-6,159,871	12/12/2000	Loboda, et al.	
	A29	US-6,147,009	11/14/2000	Grill, et al.	
	A30	US-6,140,226	10/31/2000	Grill, et al.	
	A31	US-6,072,227	06/06/2000	Yau, et al.	
	A32	US-6,054,379	04/25/2000	Yau, et al.	
	A33	US-6,068,884	05/30/2000	Rose, et al.	
	A34	US-6,060,132	05/09/2000	Lee	
	A35	US-6,054,379	04/25/2000	Yau, et al.	
	A36	US-6,051,321	04/18/2000	Lee, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B6	WO 00/19498 A1	04/06/2000	Huang		
	B7	EP 0 613 178 A2	08/31/1994	Michael		
	B8	WO 00/20900 A3	04/13/2000	Bencher, et al.		
	B9					
	B10					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of 5

Application Number

10/828,441

Filing Date

APRIL 20, 2004

First Named Inventor

XIA, ET AL.

Group Art Unit

UNKNOWN

Examiner Name

UNKNOWN

Attorney Docket Number

AMAT/6392.C1/DSM/LOW K/JW

Submission Date

06/30, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A37	US-5,989,998	11/23/1999	Sugahara, et al.	
	A38	US-5,926,740	07/20/1999	Forbes, et al.	
	A39	US-5,876,891	03/02/1999	Takimoto, et al.	
	A40	US-5,818,071	10/06/1998	Loboda, et al.	
	A41	US-5,780,163	07/14/1998	Camilletti, et al.	
	A42	US-5,776,235	07/07/1998	Camilletti, et al.	
	A43	US-5,730,792	03/24/1998	Camilletti, et al.	
	A44	US-5,711,987	01/27/1998	Bearinger, et al.	
	A45	US-5,710,067	01/20/1998	Foote, et al.	
	A46	US-5,638,251	06/10/1997	Goel, et al.	
	A47	US-5,607,773	03/04/1997	Ahlburn, et al.	
	A48	US-5,554,570	09/10/1996	Maeda, et al.	
	A49	US-5,494,712	02/27/1996	Hu, et al.	
	A50	US-5,465,680	11/14/1995	Loboda	
	A51	US-5,242,530	09/07/1993	Batey, et al.	
	A52	US-5,238,866	08/24/1993	Bolz, et al.	
	A53	US-5,224,441	07/06/1993	Felts, et al.	
	A54	US-5,011,706	04/30/1991	Tarhay, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B11					
	B12					
	B13					
	B14					
	B15					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of 5

Application Number	10/828,441
Filing Date	APRIL 20, 2004
First Named Inventor	XIA, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Submission Date	66/30, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A55	US-4,894,352	01/16/1990	Lane, et al.	
	A56	US-4,759,947	07/26/1988	Ishihara, et al.	
	A57	US-4,634,601	01/06/1987	Hamakawa, et al.	
	A58	US-4,532,150	07/30/1985	Endo, et al.	
	A59	US-4,262,631	04/21/1981	Kubacki	
	A60	US-2003/0139035 A1	07/24/2003	Yim, et al.	
	A61	US-2003/0129827 A1	07/10/2003	Lee, et al.	
	A62	US-2003/0111730 A1	06/19/2003	Takeda, et al.	
	A63	US-2003/0089988 A1	05/15/2003	Matsuura	
	A64	US-2003/0085408 A1	05/08/2003	Yang, et al.	
	A65	US-2003/0068881 A1	04/10/2003	Xia, et al.	
	A66	US-2003/0003765 A1	01/02/2003	Gibson, Jr., et al.	
	A67	US-2003/0001282 A1	01/02/2003	Meynen, et al.	
	A68	US-2002/0160626 A1	10/31/2002	Matsuki, et al.	
	A69	US-2002/0111042 A1	08/15/2002	Yau, et al.	
	A70	US-2002/0093075 A1	07/18/2002	Gates, et al.	
	A71	US-2002/0000670 A1	01/03/2002	Yau, et al.	
	A72	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B16					
	B17					
	B18					
	B19					
	B20					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/828,441
		Filing Date	APRIL 20, 2004
		First Named Inventor	XIA, ET AL.
		Group Art Unit	UNKNOWN
		Examiner Name	UNKNOWN
		Attorney Docket Number	AMAT/6392.C1/DSM/LOW K/JW
Sheet 5	of 5	Submission Date	6/30, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C2	PCT International Search Report for PCT US02/36229, dated September 3, 2003 (AMAT/6392.PC)	
	C3	Written Opinion for PCT US99/22424, dated April 5, 2001 (AMAT/2966.03.PC)	
	C4	PCT International Search Report for PCT US99/22425, dated February 11, 2000. (AMAT/2966.01.PC)	
	C5	PCT International Search Report for PCT US02/40034, dated May 19, 2003. (AMAT/6084.PC)	
	C6	DIJKSTRA, ET AL. "Optimization of Anti-Reflection Layers for Deep UV Lithography", Proceedings of SPIE Optica/Laser Microlithography, Bellingham, SPIE, Volume 1674, (1992) pp. 362-375.	
	C7	OMAR, M.A. "Elementary Solid State Physics: Principles and Applications, ", Addison-Wesley Publishing Co. (1975) pp. 124-125.	
	C8	FUKUDA, ET AL. "Highly Reliable SiOF Film Formation by ECR-CVD Using SiF ₂ H ₂ ", Symposium on VLSI Technology Digest of Technical Papers IEEE (1996) pp. 114-115.	
	C9	WU, ET AL. "Advanced Metal Barrier Fee CU Damascene Interconnects with PECVD Silicon Carbide Barriers for 90/65-nm BEOL Technology", 2002 IEE pp. 595-598.	
	C10	United States Patent Application for 09/270,039, filed on March 16, 1999. (AMAT/2966.X3)	
	C11		
	C12		
	C13		

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.